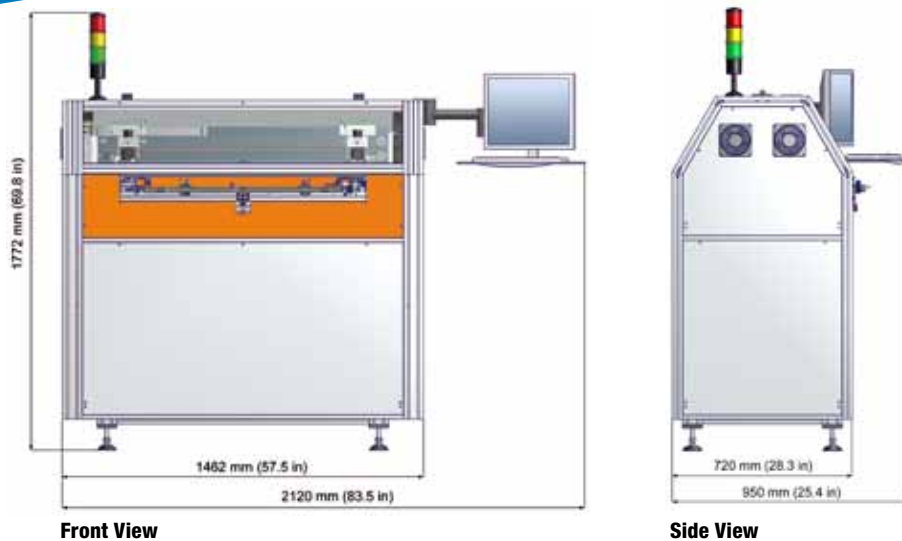


Technical Specification

Flying Probe Test System A1b



Mechanics

Basic unit with 8 test probes (4 top, 4 bottom)	
Variable board fixing system, multi board test	
Max. board size (X x Y)	640 x 470 mm / 25.2" x 18.5"
Test area (X x Y)	610 x 460 mm / 24.0" x 18.1"
Board thickness	up to 5 mm
Smallest pad	75 μ m / 3.0 mil
Smallest pitch	150 μ m / 6.0 mil
System accuracy	± 25 μ m / ± 1.0 mil
Repeatable accuracy	± 15 μ m / ± 0.6 mil
Rigid probes	10 to 100 g

Options

- Embedded components test:

R	0.5 Ω to 10 M Ω	± 0.5 %, min. ± 0.5 m Ω
	>10 M Ω to 50 M Ω	± 2 %
C	0.1 pF to 1.5 pF	± 2 %, min. ± 0.03 pF
L	0.2 μ H to 5 mH	± 3 %, min. ± 0.1 μ H
- Soft touch probes
- Microshort Detection[®]
- Retest of fault files from grid test systems with barcode support
- Repair software with barcode support

Electronics

Continuity test	1 Ω to 10 k Ω
Isolation test	up to 25 M Ω (FM), up to 2 G Ω (ohmic)
Test voltage	up to 500 V (ohmic)

Data Input Format	IPC-D-356A
Network Connection	Ethernet, TCP / IP
Power Supply	230 V, 50 Hz (115 V, 60 Hz), 800 VA
Compressed Air	not required
Temperature	18 $^{\circ}$ C to 27 $^{\circ}$ C / 66 $^{\circ}$ F to 81 $^{\circ}$ F, ± 3 K
Relative Humidity	40 % to 60 %
Machine Weight	600 kg (1323 lb)

Camera System

4 cameras for optical scanning of top and bottom side
Resolution from 13 μ m / pixel

All information subject to change without notice!
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